

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

6.6b

1. Students in Mr. Manley's class lose three points on their grade, every time that they forget to turn in their homework.
 - a. What integer represents the change in Erika's grade if she forgets her homework 5 times?
 - b. What would Erika's grade end up to be if it had started at 82?
 - c. If Subashni's grade ended up being 59, what would it have been if she had not missed seven homework assignments?
2. At 9am the elevator started on the 3rd floor of a building. At 9:10am the elevator ended on the 2nd floor of the building. Which of the following might represent the number of floors travelled during that time?

$+8-4+8-10$	$+3-2+3+1$	$+4-5-7+10$	$+5-3+12-14$
$+4+7-5+7$	$+8-3-7+4$	$+6-4-8+10$	$+5-6+7+1$

3. If the temperature during the day is 6° and the temperature drops 15° after sunset, what is the temperature at night?
 - A. -9°
 - B. -6°
 - C. 9°
 - D. 21°
4. Linda climbed a mountain to a height of 2,325 meters above sea level. Janice hiked down a canyon that is 37 meters below sea level. How much higher was Linda than Janice?
 - A. -2,288 meters
 - B. -2,288 meters
 - C. 2,288 meters
 - D. 2,362 meters

5. Francie had \$250 in her savings account. For six months in a row, she withdrew \$30 each time. How much money did she have in her account at the end?

- A. \$70**
- B. \$110**
- C. \$180**
- D. \$430**